

Figure 1 for Chapter 16.32

DESIGN AND CONSTRUCTION STANDARDS FOR STREETS

Design and Construction Standards	Arterial Highway s	Secondary Arterials	Commercial Light Industrial Mixed Use Develop ments	Primary Collector s	Secondary Collector s	Minor Streets		Private Roads		Private Lanes		Private Ways			
Average Daily Traffic (ADT)	9,001 or more	3,001 to 9,000	ADT and Peak	801 to 3,000	201 to 800	35 to 200		72 to 800		35 to 71		12 to 35			

Street width design:	Streets in this classification will generally be affected by development rather than construction, and may require drainage, soil, use, traffic safety, and impact studies beyond the scope of this title for required improvements and/or construction.	Commercial, light industrial and mixed use development(s) streets shall be constructed to no less than secondary collector standards and may be subject to higher standards depending on the traffic generation and use(s) intended.				Same standards as public streets based on average daily traffic count (ADT) calculate d from the latest edition of the ITE Codes.								
a. Right-of-way				60'		60'		50'			40'		40'	

b. Travel pavement				22'		20'		20'			20'		18' gravel		
c. Sidewalk				5'		5'		Pln. Bd.	determine			N/A		N/A	
d. Paved shoulder				2' walk side	8' opp. side		2' walk side	6' opp. side		N/A			N/A		N/A
e. Gravel shoulder				2' opp. side		2' opp. side		5' both sides			3' both sides		N/A		
f. Enclosed drainage				sidewalk side		sidewalk side		not required			N/A		N/A		
g. Parking				one side		emergency		emergency			emergency		No		
Street gradients:															
a. Longitudinal (min. to max.)				.05% to 6%		.05% to 7%		.05% to 8%			.05% to 9%		1.0% to 10%		
b. Side slope (hor. to vert.)				3 to 1		3 to 1		3 to 1			2 to 1		2 to 1		
c. Road crown				1/4" per ft.		1/4" per ft.		1/4" per ft.				1/4" to 1/2" per ft.			
Cul-de-sac:															
a. Street length to radius				N/A		1,500'		1,200'			600'		400'		
b. Boundary radius				N/A		65'		60'			50'		50' or 40' × 40	turn tee	
c. Paved radius				N/A		50'		50'			40'		gravel 40' or	18 × 18	
Second Access				Yes		Yes, can be	emergency only		Not desirable				Not allowed		Not allowed

Intersection design:	Streets in this classification will generally be affected by development rather than construction, and may require drainage, soil, use, traffic safety, and impact studies beyond the scope of this title for required improvements and/or construction.	Commercial, light industrial and mixed use development(s) streets shall be constructed to no less than secondary collector standards and may be subject to higher standards depending on the traffic generation and use(s) intended.				Same standards as public streets based on average daily traffic count (ADT) calculated from the latest edition of the ITE Codes.									
a. Frequency centerlines				600'		400'		300'			N/A		N/A		

b. Maximum angle				90°		80°—90°		80°—90°			75°—90°		60°—90°		
c. Tangent section to paved edge				75'		50'		40'			40'		N/A		
d. Max. grade to paved edge				2.0@75'		3% @ 50'		3% @ 40'			3% @ 40'		3% @ 25'		
e. Curb radii				20'		20'		10'			10'		N/A		
Curves:															
a. Tangent between reverse curves				200'		100'		100'			N/A		N/A		
b. Min. centerline curve radius				400'		300'		150F			100'		N/A		
Street materials cross-section:															
a. Min. gravel sub-base				18"		12"		12"			12"		8"		
b. Min. crushed gravel				6"		6"		6"			4"		4"		
c. Bituminous pavement base				2"		2"		1 1/2"			1 1/2"		N/A		
d. Bituminous pavement surface				1 1/2"		1"		1"			1"		N/A		
e. Compacted loam slopes				6"		4"		4"			4"		4"		

Sidewalk materials, cross-section:	Streets in this classification will generally be affected by development rather than constructed, and may require drainage, soil, use, traffic safety, and impact studies beyond the scope of this title for required improvements and/or construction.	Commercial, light industrial and mixed use development(s) streets shall be constructed to no less than secondary collector standards and may be subject to higher standards depending on the traffic generation and use(s) intended.				Planning board	determination								
a. Minimum gravel sub-base				18"		12"			N/A		N/A				

b. Minimum, crushed gravel				9"		9"									
c. Min. and max. curb reveal				6"—8"		6"—8"									
d. Curb material				Granite		Granite									
e. Bituminous pavement base				2"		2"									
f. Bituminous pavement surface				1"		1"									

(Land use and dev. code Fig. 8-1, 1994)